



- EXISTING SIGNS**
- 10 English Muffin WAY (Dual Face)
- 13 Buckeystown PIKE (Dual Face)
- 14 SOUTH MARYLAND 85 SHIELD ASSEMBLY
- 15 SOUTH MARYLAND 85 SHIELD ASSEMBLY
- 18
- EXISTING SIGNS TO BE RELOCATED**
- 11 ONLY
- 9 English Muffin WAY (Dual Face)
- 12 Buckeystown PIKE (Dual Face)
- PROPOSED SIGNS**
- 16 NORTH MARYLAND 85 SHIELD ASSEMBLY (30"x51")
- 17 NORTH MARYLAND 85 SHIELD ASSEMBLY (48"x75")
- EXISTING SIGNALS**
- 3, 4, 7, 8
- R  
Y  
G  
12"
- PROPOSED SIGNALS**
- 1, 2, 5, 6
- R  
Y  
G  
12"  
L.E.D.
- EXISTING VIDEO DETECTION**
- b, d
- PROPOSED VIDEO DETECTION**
- a, c
- NEMA PHASING**
- 02 04 06 08
- FLASHING OPERATION
- NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- 75' OF 3 IN. TRENCHED CONDUIT LOCATED IN THE BREAK AREA
- AERIAL CABLE DETAIL**
- PRIMARY 38' 4"
- PRIM NEUTRAL 31' 4"
- TELEPHONE 25' 2"
- CABLE 23' 5"
- TELEPHONE 21' 10"
- GRADE
- CONSTRUCTION DETAILS**
- A. INSTALL 21 FT. STEEL POLE (CUT FROM A 27 FT.) WITH A 50 FT. MAST ARM, SIGNAL HEADS, VIDEO DETECTOR CAMERA, AND RELOCATED EXISTING SIGN(\*9). (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- B. INSTALL 21 FT. STEEL POLE (CUT FROM A 27 FT.) WITH A 50 FT. MAST ARM, SIGNAL HEADS, VIDEO DETECTOR CAMERA, AND RELOCATED EXISTING SIGNS(\*11, \*12). (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- C. INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).
- D. INSTALL METERED SERVICE PEDESTAL FOR UNDERGROUND ELECTRICAL SERVICE PER MD-SHA TYPICAL 807.05-01.
- E. INSTALL HANDHOLE.
- F. INSTALL HANDHOLE ON EXISTING CONDUIT RUN.
- G. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- H. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- I. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- J. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- K. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED IN ROADWAY BEFORE FINAL ROADWAY SURFACE IS LAID.
- L. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR AN UNDERGROUND ELECTRICAL SERVICE BY ALLEGHANY POWER - BORED.
- M. INSTALL 2 IN. CONDUIT FOR PHONE SERVICE BY VERIZON (TO BE DETERMINED IN THE FIELD) - TRENCHED.
- N. INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- O. INSTALL NON-INVASIVE MICRO-LOOP PROBE (SET OF 3).
- P. INSTALL GROUND MOUNTED SIGN.
- Q. USE EXISTING STEEL POLE, REWIRE SIGNAL HEAD(\*3), VIDEO DETECTION, AND LUMINAIRE.
- R. USE EXISTING STEEL POLE, INSTALL 20 FT. LUMINAIRE ARM WITH 250 WATT HPS LUMINAIRE AND 2 IN. WEATHERHEAD. REWIRE SIGNAL HEAD(\*7) AND VIDEO DETECTION.
- S. USE EXISTING HANDHOLE.
- T. USE EXISTING HANDHOLE.
- U. USE EXISTING HANDHOLE. PULL BACK EXISTING MICROLOOP PROBE AND RUN IN NEW CONDUIT BACK TO NEW CABINET PRIOR TO INSTALLATION OF NEW SIGNAL POLE FOUNDATION.
- V. USE EXISTING CONDUIT.
- W. REMOVE EXISTING CABINET/CONTROLLER AND ALL ATTACHED EQUIPMENT.
- X. REMOVE EXISTING STEEL POLE AND ALL ATTACHED EQUIPMENT. RELOCATE SIGNS AS SHOWN. REMOVE FOUNDATION TO 12 IN. BELOW GRADE.
- Y. REMOVE EXISTING HANDHOLE.
- Z. CAP AND ABANDON EXISTING CONDUIT.
- a. ABANDON EXISTING MICROLOOP PROBE.
- b. EXISTING POWER SERVICE TO BE DISCONNECTED AFTER NEW SERVICE AND SIGNAL ARE INSTALLED AND OPERATIONAL.
- c. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR AN UNDERGROUND ELECTRICAL SERVICE BY ALLEGHANY POWER - HAND TRENCHED DUE TO UTILITIES (NOTE: RUN CONDUIT DIRECTLY TO UTILITY POLE).
- GENERAL NOTES**
1. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
2. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
3. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MD-SHA STANDARDS. ALL OTHER PAVEMENT MARKINGS ARE TO BE CONSIDERED AS EXISTING.
4. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS. TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
5. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
6. ALL UNUSED CABLE SHALL BE REMOVED.
7. THE CONTRACTOR SHALL CONTACT ED RODENHIZER [(410) 787-7650] 72 HOURS PRIOR TO CONSTRUCTION.

**THE TRAFFIC GROUP, INC.**

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"Merging Innovation and Excellence"

**GEOMETRIC LEGEND**

— EXISTING

— PROPOSED

**UTILITY LEGEND**

— S—D— STORM DRAIN

— G—G— GAS MAIN

— W—W— WATER MAIN

— S—S— SEWER MAIN

— E—E— ELECTRIC CABLES

— A—A— AERIAL CABLES

— T—T— TELEPHONE CABLES

— F—F— FIBER-OPTIC

THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 1 YEAR FROM THE DATE OF APPROVAL. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

**APPROVALS**

TEAM LEADER

ASST. DIV. CHIEF

DIVISION CHIEF

OFFICE DIRECTOR

**REVISIONS**

C PARTIAL RECONSTRUCT DUE TO WIDENING.

BW9906M82 AUGUST 7, 2008

JES CSW

B TRAFFIC SIGNAL MODIFICATION NEW GEOMETRICS ON WEST LEG OF INTERSECTION SHA No. C28379 SEPTEMBER 2005

TVTH

A TRAFFIC SIGNAL MODIFICATION

FDB DJD DAZ BRK

AUGUST 2, 2004

**TRAFFIC SIGNAL PLAN**

SCALE 1" = 20' DATE APRIL 7, 2008 CONTRACT NO.

DESIGNED BY T. ZAYDEL COUNTY FREDERICK

DRAWN BY T. ZAYDEL LOGMILE 10085007.25

CHECKED BY K. SCHMIDT'S RENZI TMS NO. J100

F.A.P. NO. N/A TOD NO.

TS NO. 3684-C DRAWING SG-1 OF 1 SHEET NO. 1 OF 2

BY: JStorck